ATTACHMENT III-A

SMALL OFF-ROAD EVAPORATIVE EQUIPMENT CERTIFICATION (Applicable to engines/equipment >80 cc engine displacement) Certification Summary Sheet

l. Model Year: 2a. Manufacturer: 2b. EPA Assigned Manufacturer Code: 2c. Manufacturer Contact Informati		
a) Manufacturer Contact Contact: Title: Company: Address:	b) Production Plant Lo Contact: Title: Company: Address:	ocation/Contact
Phone No.: Fax No.: Email:	Phone No.: Fax No.: Email:	
 Evaporative Family Name: Engine families within the evaporation 	orative family above:	
5. Process Code: 6. Executive Order:		Confidential
7. California Sales Volume (units):	8. 50-State Sales Volur	me (units):
9. Equipment Applications:		
Walk-Behind Lawnmower Riding Mower Tractor Compressor Pump Hedge Trimmer Stump Beater Generator Set	Snowblower Non-Backpack Blower Backpack Blower Line Trimmer Pressure Washer Tiller Ice Auger Commercial Turf	Edger Brushcutter Chainsaw Leaf Blower/Vacuum Go-Cart Other
	nance Standards ill out pages 40-42, 48-53	
	Standards ill out pages 40, 43-44, 48-53	
, (i)	Production Volume Tank Manufacturer For 2006-2009 MYs only fill out pages i) For 2010 and later MYs fill out pa	s 40 and 48 (equipment models only
	nent fueled by on-road vehicle/marine vill out pages 40, 47-53 (as applicable)	vessel fuel tank

FOR SYSTEMS CERTIFIED TO PERFORMANCE STANDARDS (Section 2754(a)) Small Off-Road Evaporative Certification Summary Sheet

the

1. Certificatio		0 1:1	0 1		
a) New Testing:	?: b) if carry over/ e or Equipment Model: _	carry across, from which	evaporative family:		
			u) rest Equipment it	D	
f) Running Los description section, i g) Test Proced h) Alternative	ure: Test Procedure Approval N	Tumber (if applicable):	ves, please provide running loss	description in the evaporative e	mission system
	aporative Model Emission I				
Note: No	Evaporative Family Emis of engine or equipment emission of EMEL for the worst case engine to the worst case engine	ons within the family could		andard than the EFELD ca	lculated from
2. Special Tes	st Equipment				٦
3. Fuel Cap	1 1 10 77 7				
a) Is the cap perb) Does the fuel	manently tethered? (Yes/Namently tethered? (Yes/Nament	(0) Ves/No)			
	movative product Executive				
c) Is the user pro	ovided with an audible or p		stablishment of vapor seal	1?	
(Yes/No) Please provide	e description of the fuel cap's fe	atures as part of the evapora	tive emission system descrip	otion in item #5	
4. Certification	Data				
	b.	Official 24	-Hour Diurnal Test Resu	lts. g/dav ⁽¹⁾	
a.	Type (Certification		T	T	
Test No.	CTG or Confirmatory RTG)	c. Test Completion Date	d. Certification Test Result (g/day)	e. Standard (g/day)	
					-

Note: (1) Diurnal emissions and standards must be expressed to two significant digits.

FOR SYSTEMS CERTIFIED BY DESIGN (Section 2754(b)) Small Off-Road Evaporative Certification Summary Sheet

1. Cer	tification information			
a) New	Testing?: b) if carry ov	er/carry across, from evapor	rative family:	_
c) Test	Fuel:			
d) Run	ning Loss Vented Emissions Contro	lled (yes/no): (If yes,	please provide running loss descripti	on in the evaporative emission system description
section, i	rem #4)			
e) Is fu	el tank exempt under Section 2766(a	a) (Yes/No) If yes, sp	ecify fuel tank type:	
Met	al Coextruded Multi-laye	er: Innovati	ive Product Executive Order #	<u> </u>
Note	e: for exempt fuel tanks submission	of permeation data is not rec	quired	
f) Tes	Procedures(s):	-	•	
g) Alte	rnative Test Procedure(s) Approval	Number(s) (if applicable):		
	component identification:	· · · · · · · · · · · · · · · · · · ·		
Í	Tank	Hose	Vent Control	
			-	•
2. Fue	Сар			
a) Is th	e cap permanently tethered? (Yes/N	lo)		
	s the fuel cap make a vapor seal? (Y			
,	If no, innovative product Executive			
c) Is th	e user provided with an audible or p	hysical feedback of the estal	blishment of vapor seal?	
(Yes/N	•		•	
(e provide description of the fuel can's feature	s as part of the evaporative emissio	on system description in item #4	

3. Certification Data

			Official	Design Decla	aration	
	1a. Test No	1b. Type (Certification CTG or Confirmatory RTG)	1c. Test Completion Date	1d. Measured Design Value	2. or Component Executive Order Number(s)	3. Regulatory Design Requirement
a. Fuel Hose Permeation					Complete page 48 if using certified components	
b. Fuel Tank Permeation ⁽¹⁾					Complete page 48 if using certified components	
c. Carbon Canister Butane Working Capacity					Complete page 48 if using certified components	
d. Other Vent Control					Complete page 48 if using certified components	

Note: (1) Fuel tank permeation emissions must be expressed to two significant digits.

SMALL PRODUCTION VOLUME TANK MANUFACTURER (Section 2766(b)) Small Off-Road Evaporative Certification Summary Sheet

Certification Information

		b) if carry over/	carry across, fro	om which evap	orative family:		
c) Test Fuel:	va(a):						
d) Test Procedure) Alternative Te		re(s) Approval Nu	mber(s) (if annl	icable):			
Test compone			iniber(s) (ii appi	icable)			
.) Test compone	Hose	ation.	Vent Control				
	11050		vent control				
2. Fuel Line							
			Official	Design Decla	aration		
		1b. Type	1c.	1d.	2.	3.	
	la.	(Certification	Test	Measured	or Component	Regulatory	
	Test	CTG or	Completion	Design	Executive Order	Design	
	No	Confirmatory RTG)	Date	Value	Number(s)	Requirement	
a.		,			G 1]
Fuel Hose					Complete page 48 if using certified component		
Permeation					confined component		1
<u>)</u>			Official	Design Decla	aration]
		T	- Oniolai	Design Desic		Υ	<u> </u>
	1a. Test No	1b. Type (Certification CTG or Confirmatory RTG)	1c. Test Completion Date	1d. Measured Design Value	2. or Component Executive Order Number(s)	3. Regulatory Design Requirement	
a.							
Carbon							 -
Canister					Complete page 48 if using certified components		
Butane Working					certified components		•
Capacity							
b.							•
					Complete page 48 if using		•
					certified components		•
b) Does the	fuel cap m no, innovat	tly tethered? (Yes, ake a vapor seal?	(Yes/No) tive Order #	ack of the ortal	certified components	(Vos/No)	
		tion of the fuel cap's			onsument of vapor scar?	(105/110)	

Provide description	on of the cap's features.			
S.				
sed By:	Date Processed	Reviewed By:	Date Reviewed:	

EQUIPMENT FUELED BY ON-ROAD VEHICLE/MARINE VESSEL FUEL TANK (Section 2766(c)) Small Off-Road Evaporative Certification Summary Sheet

) Test Fuel:) Test Procedu) Alternative To	ure:est Proced	b) if carry over/o	lumber:		orative family:	
. Fuel Line	T					
			Official	Design Decla	aration	
	1a. Test No	1b. Type (Certification CTG or Confirmatory RTG)	1c. Test Completion Date	1d. Measured Design Value	2. or Component Executive Order Number(s)	3. Regulatory Design Requirement
a. Fuel Hose Permeation					Complete page 48 if using certified components	

Reviewed By:

Date Reviewed:

Date Processed

Processed By:

Small Off-Road Evaporative Certification Database Form (Supplementary Information)

MODEL SUMMARY

S1.	S2.		S3.		S4.	S5.	S6.	S7.	S8.	S9.	S10.	S11.	S12.	S13.	S14.
Worst Case (Check One)	Engine or Equipment Model		Codes (appropri		Engine Class (I or II)	Fuel System (FI or CARB)	Fuel Tank Vol. (Liters)	Fuel Tank Internal Surface	Fuel Line Type	Nominal Fuel Line Length	Fuel Line Inside Diameter (mm)	Exhaust Family	Fuel Tank Executive Order	Fuel Line Executive Order	Carbon Canister or Other Venting
		Only	State	State				Area (m²)		(mm)					Control Executive Order
															Older

515.	Evaporative emission label format approved? No Yes If yes, reference approval: Sample label attached? No Yes (place label in #S17)	
S16	S. WARRANTY: Evaporative emission warranty approved? No (Provide full warranty statement in #S18) Yes (Reference approval:)	
Hav	Yes (Reference approval:) re any changes been made since the last approval? No Yes If yes, provide a brief explanation of the changes	:
S17.	EVAPORATIVE EMISSION LABEL INFORMATION	
Γ		

S18. EVAPORATIVE EMISSION WARRANTY STAT	EMENT

S19. FUEL TANK SOAK INFORMATION

Small Off-Road Engines and Equipment Fuel Tanks) and the calculated correlation coefficient. (This section is only applicable to tanks that are soaked at non-elevated temperature (30° C±10° C) for less than 40 days and tanks with a nominal wall thickness of greater than 0.2" (5 mm) that are soaked at an elevated temperature (40° C±2° C) for less than 140 days).
section is only applicable to tanks that are soaked at non-elevated temperature (30° C±10° C) for less than 140 days and tanks with a nominal wall thickness of greater than 0.2" (5 mm) that are soaked at an elevated temperature (40° C±2° C) for less than 140 days).
elevated temperature (40° C±2° C) for less than 140 days).
nevaled temperature (40 G12 G) for less than 140 days).

S20. WORST-CASE DETERMINATION

Provide an engineering evaluation as to the basis/analysis for the worst-case test engine/equipment or component (fuel line, fuel tank, canister) selection for certification testing.							

S21. ADDITIONAL INFORMATION AND COMMENTS								

Attachment III-B YZX Inc.

200X Model Year

Evaporative Certification Averaging and Banking Credit Worksheet Form for

Small Off-Road Equipment with Engine Displacement > 80 cc Certified to Performance Standards – Section 2745(a)

Engine/Evaporat Family	ive	California Sales	Applicable Diurnal Standard (g)	EMEL ⁽¹⁾ (g)	EFELD ⁽²⁾ (g)	Credits (g)	
TOTAL – Model Year: Credits expended from above balance: Credits left over:							
	Ba	inked Credits (a), (b)	Prev. MY Deficit (b)				
Initial Balance							
Withdrawn							
Remaining Deficit							
Deposited							
Projected Final Balance							
Additional Notes:							
(1) EMEL (evaporative model emission limit) is the diurnal emissions level declared by the manufacturer and must be based on diurnal test results for a worst case model of engine or equipment within the evaporative family. (2) EFELD (evaporative family emission limit differential) is the emission level differential between the applicable diurnal standard for worst case model and the EMEL declared for the model and is applicable to the entire evaporative family represented by the model. (a) The banked credits may be from previous model years. (b) Withdrawn credits must be used at a rate of 1.25 grams to 1 gram for emission deficit. The source of withdrawn credits may be from the banked credits from previous model year or the projected credits for the current year. Diurnal emissions and standards must be expressed to two significant digits. Diurnal emission credits (positive or negative) are to be rounded to the nearest tenth of a gram.							
Issued Date (mm/dd/yyyy):							